

PROPOSAL

Prototype Installation of All Hazard Alert Broadcasting (AHAB) Radio City of Seattle

Washington State Emergency Management Division (EMD) in partnership with the USGS, NOAA, University of Washington and the City of Seattle, proposes to install three AHAB Radio Systems in Seattle's areas of tsunami inundation, as modeled by the National Tsunami Hazard Mitigation Program (NTHMP). This installation will be a pilot to prove the concept of developing alert and notification in identified tsunami inundation zones. EMD requests \$90,000 from NTHMP as their share for the pilot program.

The pilot will be centered on Harbor Island and the downtown waterfront. This area of multiple hazards (earthquake ground shaking, storm surge, tsunamis, weapons of mass destruction, major chemical spills, to include a host of others) is the economic and financial centerpiece for the Pacific Northwest. The City of Seattle has indicated that they will seek to match the NTHMP funds with \$190,000 from their sources. This system will take an all hazards approach that will bridge natural and man-made hazards that the City of Seattle has identified in their Hazard Identification Vulnerability Analysis (HIVA) to their Hazard Mitigation Plan.

The proposed pilot integrates a series of NTHMP projects in Seattle. First, NOAA completed the first non-subduction zone tsunami inundation modeling of Seattle to identify population and infrastructure at risk. The inundation area includes the major international port facility and two stadiums. The second project is installation of the new real time earthquake/tsunami information system that will report time critical data to Seattle Emergency Management. This system will allow the city to make real time decisions for emergency response and allow them to use AHAB Radio to rapidly provide guidance to those citizens and businesses in effected inundation zones.

The City of Seattle intends to use their funding sources to enhance the basic tsunami system to possibly include environmental monitors, video cameras and other associated equipment/sensors that deal with hazard and homeland security issues. It is also an opportunity for NTHMP to include instruments that can collect critical needed tidal data.

EMD agrees to document and provide the NTHMP with the process for integrating NTHMP priorities with other funding sources such as homeland security grants. EMD will provide justification for AHAB Radio to the State Homeland Security Program to gain approval to add equipment to the DOJ approved equipment list. Finally, EMD will provide the NTHMP with various application use of AHAB that will include its application, parts list and cost. Photos of the system will be provided along with contact information of the local jurisdiction providing our at-risk communities contact and feedback information.

FOR NTHMP: This pilot is viewed as being a proof of concept for potential deployment of AHAB Radio in all hazard areas nationally and internationally.